Application No. 09/408,873

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 - 17 (Canceled).

18. (Currently Amended) An image acquisition system, comprising:

a plurality of cameras operable to record an area having multiple views, the area includes one or more objects, wherein each camera is operable to record at least one of the views to produce one or more camera images, wherein at least one of the cameras has an offset lens to produce an oblique field of view; and

an image processing system coupled to the plurality of cameras and operable to combine the plurality of camera images to produce a composite image;

wherein at least one lens of the plurality of cameras being adapted to shift shifts relative to at least another lens of the plurality of cameras to adjust for adjusting the view [[it]] the at least one lens records of the area.

19. (Original) The image acquisition system of claim 18, wherein all camera images are recorded simultaneously.

20. (Original) The image acquisition system of claim 18, wherein the image processing system is operable to produce the composite image by mosaicing the camera images.

Claims 21-24 (Canceled).

25. (Original) A method of scanning with a camera, comprising the steps of:

(a) recording a first view of an area having one or more objects while a lens is positioned at an offset position within a plane substantially orthogonal to an optical axis of the lens while the camera is at a first position;

(b) recording a second view of the area while the lens is positioned at the offset position within the plane after the camera is rotated to a second position; and

(c) combining all recorded views to produce a composite image having a

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higher resolution than the resolution of one or more of the recorded views.

26. (Original) The method of claim 25, further comprising between step (b) and (c), the step of:

(d)   recording a next view of the area while the lens is positioned at the offset position within the plane while the camera is rotated to a third position.

27. (Original) The method of claim 26, further comprising the step of:

(e)   repeating step (d) until all views of the area have been recorded.

28. (Original) The method of claim 25, wherein step (b) further comprises the step of recording the second view of the area while the lens is positioned at the offset position within the plane while the camera is rotated 180 degrees to the second position.

29. (Currently Amended) A method of scanning with a camera system having a plurality of cameras, comprising the steps of:

(a)   recording a plurality of views of an area having one or more objects with a plurality of cameras, each camera having a lens positioned within a plane substantially orthogonal to an optical axis of the lens, and wherein one or more cameras has an offset lens; and

(b)   combining all recorded views to produce a composite image having a higher resolution than the resolution of one or more of the recorded views;

wherein at least one lens of the plurality of cameras being adapted to shift shifts relative to at least another lens of the plurality of cameras to adjust for adjusting the view [[it]] the at least one lens records of the area.

30. (Original) The method of claim 29, wherein step (c) includes the step of mosaicing all recorded views of the area.

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